

§Appl. No. 09/851,432
Amdt. dated April 16, 2004
Reply to Office Action of, January 16, 2004

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

| | |
|----------------|------------------|
| Claim 1 | Cancelled |
| Claim 2 | Cancelled |
| Claim 3 | Cancelled |
| Claim 4 | Cancelled |
| Claim 5 | Cancelled |
| Claim 6 | Cancelled |
| Claim 7 | Cancelled |

Claim 8 (Previously Presented) A plate heat exchanger block comprising: an aluminum or aluminum alloy housing, at least partly within said housing a plurality of aluminum or aluminum alloy sheets (2) of at least partially corrugated metal arranged parallel to one another and forming a plurality of heat-exchange passages, at least one steel header (3) in communication with at least some of the heat-exchange passages, wherein at least two parts (1, 2, 3) of the plate heat exchanger block consist essentially of aluminum metallic materials that cannot be welded to one another, and wherein the plate heat exchanger block includes an intermediate piece (5) between the header (3) and the heat exchange passages (2) containing the plurality of sheets, the intermediate member having a steel part facing the header and an aluminum part facing the housing, the parts being explosively bonded together wherein the intermediate piece is welded, aluminum-to-aluminum or aluminum alloy, to at least one of (a) the housing and (b) the corrugated sheets and is also welded steel-to-steel with the steel header.

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Claim 9 Cancelled

Claim 10 Cancelled

Claim 11 Cancelled

Claim 12 (Previously Presented) A plate heat exchanger according to claim 8, wherein sheets (2) consist essentially of aluminum.

Claim 13 (Previously Presented) A plate heat exchanger according to claim 8, wherein header (3) consists essentially of steel.

Claim 14 Cancelled

Claim 15 Cancelled

Claim 16 Cancelled

Claim 17 (Previously Presented) The plate heat exchanger block of claim 8 wherein the housing has an inlet opening of a selected area and wherein the header has a corresponding outlet area, the intermediate piece disposed therebetween also enclosing a corresponding area.

Claim 18 Cancelled

Claim 19 Cancelled

Claim 20 Cancelled

Claim 21 Cancelled

Claim 22 Cancelled

Claim 23 Cancelled

Claim 24 Cancelled